Changed a file from non-ASCII to ASCII  Changed a file from non-ASCII to ASCII  Changed a file from non-ASCII to ASCII
Changed the margins in cases where the sequence text was "wrapped" dewn to the next line.
Edited a format error in the Current Application Data section, specifically:
Edited the Current Application Data section with the actual current number. The number inputted by the applicant was   the prior application data; or  other
Added the mandatory heading and subheadings for "Current Application Data".
Edited the "Number of Sequences" (ield. The applicant spelled out a number instead of using an integer.
Changed the spelling of a mandatory field (the headings or subheadings), specifically:
Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
Inserted colons after headings/subheadings. Headings edited included:
Deleted extra, invalid, headings used by an applicant, specifically:
Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file page numbers throughout text; other invalid text, such as
Inserted mandatory headings, specifically:
Corrected an obvious error in the response, specifically:
Edited identifiers where upper case is used but lower case is required, or vice versa.
Corrected an error in the Number of Sequences field, specifically:
A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a Patentin bug). Sequences corrected:
Other: Jeg 18- deleted number with tag (stop codon)

<sup>\*</sup>Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

## RECEIVED

AUG 10 2000

TECH CENTER 1600/2900

RAW SEQUENCE LISTING DATE: 08/08/2000 PATENT APPLICATION: US/09/508,487 TIME: 15:53:06

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DATE: 08/08/2000

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/508,487

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- 11010 700

DATE: 08/08/2000

32

33

RAW SEQUENCE LISTING DATE: 08/08/2000 PATENT APPLICATION: US/09/508,487 TIME: 15:53:06

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227 aatttcatta atatgctacc atagtaccag ttttaataaa ggggttttt atg aat aaa 178
                                                                                      Met Asn Lys
229
231 ctt tta att ttt gtt ttg gca acc ttt tgt gtt ttt tct agc ttt gct 232 Leu Leu Ile Phe Val Leu Ala Thr Phe Cys Val Phe Ser Ser Phe Ala
                               10
235 caa gct aat gat tct aaa aat ggt gcg ttt ggg atg agt gct gga gaa
236 Gln Ala Asn Asp Ser Lys Asn Gly Ala Phe Gly Met Ser Ala Gly Glu
237 20 25 30 35
239 aaa ctt ttg gtt tat gaa act agc aag caa gat cct att gta cca ttt 240 Lys Leu Leu Val Tyr Glu Thr Ser Lys Gln Asp Pro Ile Val Pro Phe 241 40 45
243 tta ttg aac ctt ttt tta ggg ttt gga ata ggc tcc ttt gct caa gga
244 Leu Leu Asn Leu Phe Leu Gly Phe Gly Ile Gly Ser Phe Ala Gln Gly
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247 gat att ctt gga ggt tct ctt att ctt gga ttt gat gcg gtt ggt ata
248 Asp Ile Leu Gly Gly Ser Leu Ile Leu Gly Phe Asp Ala Val Gly Ile
249 70 75 80
251 ggg ctt ata ctt gcg ggg gct tat ttg gat atc aaa gcg ctt gat ggt
252 Gly Leu Ile Leu Ala Gly Ala Tyr Leu Asp Ile Lys Ala Leu Asp Gly
253 85 90 95
255 att act aaa aaa gct gct ttt caa tgg act tgg ggt aag gga gtt atg
256 Ile Thr Lys Lys Ala Ala Phe Gln Trp Thr Trp Gly Lys Gly Val Met
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                                    105
259 tta gca ggt gtg gtt act atg gct gtg aca aga tta aca gaa att att 260 Leu Ala Gly Val Val Thr Met Ala Val Thr Arg Leu Thr Glu Ile Ile 261 120 125 130
 257 100
                                                                                                          562
 263 ctt cca ttt aca ttt gct aat agt tat aat agg aag cta aaa aat agc
 264 Leu Pro Phe Thr Phe Ala Asn Ser Tyr Asn Arg Lys Leu Lys Asn Ser 265
267 ctt aat gta gct tta gga gga ttt gaa cct agt ttt gat gtt gca atg
268 Leu Asn Val Ala Leu Gly Gly Phe Glu Pro Ser Phe Asp Val Ala Met
269 150 155 160
 271 ggc caa tcc agt gct ctt ggg ttt gaa ctg tct ttc aaa aaa agc tat 272 Gly Gln Ser Ser Ala Leu Gly Phe Glu Leu Ser Phe Lys Lys Ser Tyr 273 165 170 175
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290 Ala Gly Glu Lys Leu Leu Val Tyr Glu Thr Ser Lys Gln Asp Pro Ile
291 35 40 45
292 Val Pro Phe Leu Leu Asn Leu Phe Leu Gly Phe Gly Ile Gly Ser Phe 293 50 55 60
296 Val Gly Ile Gly Leu Ile Leu Ala Gly Ala Tyr Leu Asp Ile Lys Ala
297 85 90 95
298 Leu Asp Gly Ile Thr Lys Lys Ala Ala Phe Gln Trp Thr Trp Gly Lys 299 100 105 110
300 Gly Val Met Leu Ala Gly Val Val Thr Met Ala Val Thr Arg Leu Thr 301 125 120
302 Glu Ile Ile Leu Pro Phe Thr Phe Ala Asn Ser Tyr Asn Arg Lys Leu 303 130 135 140
304 Lys Asn Ser Leu Asn Val Ala Leu Gly Gly Phe Glu Pro Ser Phe Asp 305 145 \phantom{\bigg|} 150 \phantom{\bigg|} 150 \phantom{\bigg|} 155 \phantom{\bigg|} 160
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328 tatgttacta taataccagt tttaataaag aggttttt atg aat aaa ttt tta att 236
329
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332 gtt gtt ttg cta gcc ttt tgt gtt ttt tct agc ttt gct caa gct gat
333 Val Val Leu Leu Ala Phe Cys Val Phe Ser Ser Phe Ala Gln Ala Asp
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336 gat tot aaa ago got ttt aat ttg gga gog gga gaa aaa ott tta got
337 Asp Ser Lys Ser Ala Phe Asn Leu Gly Ala Gly Glu Lys Leu Leu Ala
338 25 30 35
340 tat gaa act agt aag aaa gat cct att gtg cca ttt tta ttg aac ctt
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341 Tyr Glu Thr Ser Lys Lys Asp Pro Ile Val Pro Phe Leu Leu Asn Leu 342 40 45 50
344 ttt tta ggg ttt gga ata ggt tct ttt gct caa gga gat att ctt ggg
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11010 200

DATE: 08/08/2000 TIME: 15:53:07

VERIFICATION SUMMARY
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1651

RAW SEQUENCE LISTING DATE: 08/03/2000 PATENT APPLICATION: US/09/508,487 TIME: 12:02:05

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7 <130> FILE REFERENCE: 454312-3150
9 <140> CURRENT APPLICATION NUMBER: 09/508,487
10 <141> CURRENT FILING DATE: 2000-03-10
12 <150> PRIOR APPLICATION NUMBER: 60/059,036
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235 caa gct aat gat tct aaa aat ggt gcg ttt ggg atg agt gct gga gaa
236 Gln Ala Asn Asp Ser Lys Asn Gly Ala Phe Gly Met Ser Ala Gly Glu
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239 aaa ctt ttg gtt tat gaa act agc aag caa gat cct att gta cca ttt 240 Lys Leu Val Tyr Glu Thr Ser Lys Gln Asp Pro Ile Val Pro Phe
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245 55 60 65
247 gat att ctt gga ggt tct ctt att ctt gga ttt gat gcg gtt ggt ata
248 Asp Ile Leu Gly Gly Ser Leu Ile Leu Gly Phe Asp Ala Val Gly Ile
249 70 75 80
251 ggg ctt ata ctt gcg ggg gct tat ttg gat atc aaa gcg ctt gat ggt
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	260	Leu	Ala	Gly	Val	Val	Thr	Met	Ala	Val	Thr	Arg	Leu	Thr	Glu	Ile	Ile	
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VERIFICATION SUMMARY DATE: 08/03/2000 TIME: 12:02:06 PATENT APPLICATION: US/09/508,487

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